

WHAT IS CLAIMED IS:

1 1. An auto-improving display flicker method, comprising
2 the following steps:

3 detecting the display flicker level and producing a
4 detection voltage;

5 comparing the detection voltage with a predetermined
6 voltage; and

7 automatically switching to a predetermined display
8 flicker processing technique if the detection voltage is
9 greater than the predetermined voltage.

1 2. The method of Claim 1, wherein the predetermined
2 display flicker processing technique is one, other than
3 currently used, selected from the group of dot inversion,
4 line inversion, column inversion, n line inversion and n
5 column inversion.

1 3. The method of Claim 2, wherein the magnitude of the
2 detection voltage is varied depending on the predetermined
3 display flicker processing technique to be selected.

1 4. The method of Claim 2, wherein the magnitude of the
2 predetermined voltage is adjustable according to the
3 predetermined display flicker processing technique to be
4 selected.

1 5. The method of Claim 1, wherein a liquid crystal
2 display (LSD) is selected as the display.

1 6. An auto-improving display flicker system,
2 comprising:
3 a display circuit for supplying a signal pattern;
4 a detecting device for detecting the signal pattern
5 and outputting a detection voltage;
6 a comparator for comparing the detection voltage
7 with a predetermined voltage and outputting a switch control
8 signal when the detection voltage value is greater than the
9 predetermined voltage value; and
10 a video and timing control unit for switching the
11 switch control signal into a predetermined display flicker
12 processing technique.

1 7. The system of Claim 6, wherein the detecting device
2 comprises a bandpass filter and a rectifier.

1 8. The system of Claim 6, wherein the predetermined
2 display flicker processing technique is one, other than
3 currently used, selected from the group of dot inversion,
4 line inversion, column inversion, n lines inversion and n
5 columns inversion.

1 9. The system of Claim 8, wherein the magnitude of the
2 detection voltage is varied depending on the predetermined
3 display flicker processing technique to be selected.

1 10. The method of Claim 8, wherein the magnitude of
2 the predetermined voltage is adjustable according to the
3 predetermined display flicker processing technique to be
4 selected.

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1 11. The system of Claim 6, wherein the predetermined
2 voltage is inputted by an adjustable device.

1 12. The system of Claim 11, wherein the adjustable
2 device is any active device able to be regulated.

1 13. The system of Claim 11, wherein the adjustable
2 device is any passive device able to be regulated.

1 14. The system of Claim 6, wherein the display is a
2 LCD.

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